

## **REGULATION III - CONTROL OF AIR CONTAMINANTS**

### **RULE 312 ABRASIVE BLASTING**

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**MARICOPA COUNTY  
AIR POLLUTION CONTROL REGULATIONS**

**REGULATION III - CONTROL OF AIR CONTAMINANTS**

**RULE 312  
ABRASIVE BLASTING**

**SECTION 100 - GENERAL**

**101 PURPOSE:** To limit particulate emissions from abrasive blasting operations.

**SECTION 200 - DEFINITIONS:** For the purpose of this rule, the following definitions shall apply:

**201 ABRASIVE BLASTING -** The operation of cleaning or preparing a surface by forcibly propelling a stream of abrasive material against the surface.

**202 ABRASIVE BLASTING EQUIPMENT -** Any equipment utilized in abrasive blasting operations.

**203 CONFINED BLASTING -** Any abrasive blasting conducted in an enclosure which significantly reduces air contaminants from being emitted to the ambient atmosphere, including but not limited to shrouds, tanks, buildings and structures.

**204 HYDROBLASTING -** Any abrasive blasting using high pressure liquid as the propelling force.

**205 MULTIPLE NOZZLES -** A group of two or more nozzles being used for abrasive cleaning of the same surface in such close proximity that their separate plumes are indistinguishable.

**206 WET ABRASIVE BLASTING -** Any abrasive blasting using compressed air as the propelling force and sufficient water to minimize the plume.

**SECTION 300 - STANDARDS**

**301 LIMITATIONS - 20 PERCENT OPACITY:** No person shall discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods

aggregating more than three minutes in any one-hour period which is a shade or density darker than 20 percent opacity.

**302 CONTROLS REQUIRED:** Any abrasive blasting operation shall use at least one of the following control measures:

**302.1** Confined blasting.

**302.2** Wet abrasive blasting.

**302.3** Hydroblasting.

**302.4** A control measure that is determined by the Control Officer to be equally effective to control particulate emissions.

## **SECTION 500 - MONITORING AND RECORDS**

**501 VISIBLE EMISSION EVALUATION TECHNIQUES:** Visible emission evaluation of abrasive blasting operations shall be conducted in accordance with the following provisions:

**501.1** Emissions from unconfined blasting shall be read at the densest point of the emission after a major portion of the spent abrasives has fallen out, at a point not less than five feet nor more than 25 feet from the impact surface from any single abrasive blasting nozzle.

**501.2** Emissions from unconfined blasting employing multiple nozzles shall be judged as single source unless it can be demonstrated by the owner or operator that each nozzle, evaluated separately, meets the emission standards of this rule.

**501.3** Emissions from confined blasting shall be read at the densest point after the air contaminant leaves the enclosure.